Wireshark Cheat Sheet

Wilesilaik Cileat Sileet					
Default columns in a packet capture output					
No. Frame number from the begining of the packet capture					
Time Seconds from the first frame					
Source (src) Source address, commonly an IPv4, IPv6 or Ethernet address					
Destination (dst) Destination adress					
Protocol Protocol used in the Ethernet frame, IP packet, or TC segment Length Length of the frame in bytes					
Logical operators					
Operator	Discription	Example			
and or &&	Logical AND	All the conditions should match			
or or	Logical OR	Either all or one of the condtions should match			
xor or ^^	Logical XOR	Exclusive alterations - only one of the two conditions should match not both			
not ot!	Not (Negation)	Not equal to			
[n] []	Substring operator	Filter a specific word or text			
	Filtering packet	ts (Display Filters)			
Operator	Discription	Example			
eq or ==	Equal	ip.dest == 192.168.1.1			
ne or !=	Not equal	ip.dest != 192.168.1.1			
gt or >	Greater than	frame.len > 10			
it or <	less than	frame.len < 10			
ge or >=	Greater than or eq	qual frame.len >= 10			
le or <=	Less than or equ	al frame.len <= 10			
Filter types					
Capture filter		Filter packets during capture			

Display filter	Hide packets f	Hide packets from a capture display		
Wireshark Capturing Modes		Misce		
Cots interface to contin	ro all packets	Clica Opayatay		

hosts

Miscellaneous Slice Operator [...] - Range of values Membership Operator {} - In

Expressions

tcp dst 202.164.30.1

CTRL+E

Start/Stop Capturing

Promiscuous Sets interface to capture all packets on a network segment to which it is associated to Monitor Setup the wirless interface to capture all traffic it can receive (Unix/ Linux only) **Capture Filter Syntax**

protocol Direction

Syntax Example

192.168.1.1 80 and Display Filter Syntax

value

Syntax	protocol	String 1	String 2	CompariSon Operator	Value	Logical Operator	Expressions
Example	http	dest	ip	==	192.168.1.1	and	tcp port

Logical operator

Keyboard Shortcuts - main display window

Accelerator	Description	Accelerator	Description
Tab or Shift+Tab	Move between screen elements, e.g. from the toolbars to the packet list to the packet detail.	Alt+→ or Optio →	Move to the next packet in the selection history.
	Move to the next packet or detail item.	\rightarrow	In the packet detail, opens the selected tree item.
1	Move to the previous packet or detail item.	Shift+ →	In the packet detail, opens the selected tree items and all of its subtrees.
Ctrl+ or F8	Move to the next packet, even if the packet list isn't focused.	Ctrl+ →	In the packet detail, opens all tree items.
Ctrl+ Or F7	Move to the previous packet, even if the packet list isn't focused.	Ctrl+←	In the packet detail, closes all the tree
Ctrl+.	Move to the next packet of the conversation (TCP, UDP or IP).	Backspace	In the packet detail, jumps to the parent node.
Ctrl+,	Move to the previous packet of the conversation (TCP, UDP or IP).	Return or Enter	In the packet detail, toggles the selected tree item.

Protocols - Values

ether, fddi, ip, arp, rarp, decnet, lat, sca, moprc, mopdl, tcp and udp



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Common Filtering commands			
Usage	Filter syntax		
Wireshark Filter by IP	ip.add == 10.10.50.1		
Filter by Destination IP	ip.dest == 10.10.50.1		
Filter by Source IP	ip.src == 10.10.50.1		
Filter by IP range	ip.addr >= 10.10.50.1 and ip.addr <=10.10.50.100		
Filter by Multiple lps	ip.addr == 10.10.50.1 and ip.addr == 10.10.50.100		
Filter out IP adress	! (ip.addr == 10.10.50.1)		
Filter subnet	ip.addr == 10.10.50.1/24		
Filter by port	tcp.port == 25		
Filter by destination port	tcp.dstport == 23		
Filter by ip adress and port	ip.addr == 10.10.50.1 and Tcp.port == 25		
Filter by URL	http.host == "host name"		
Filter by time stamp	frame.time >= "June 02, 2019 18:04:00"		
Filter SYN flag	Tcp.flags.syn == 1		
Filter 31N Hag	Tcp.flags.syn == 1 and tcp.flags.ack ==0		
Wireshark Beacon Filter	wlan.fc.type_subtype = 0x08		
Wireshark broadcast filter	eth.dst == ff:ff:ff:ff:ff		
Wireshark multicast filter	(eth.dst[0] & 1)		
Host name filter	ip.host = hostname		
MAC address filter	eth.addr == 00:70:f4:23:18:c4		
RST flag filter	tcp.flag.reset == 1		

Common Filtering commands					
Toolbar Icon	Toolbar Item	Menu Item	Description		
	Start	Capture → Start	Uses the same packet capturing options as the previous session,or uses defaults if no options were set		
	Stop	Capture → Stop	Stops currently active capture		
<u>a</u>	Restart	Capture → Restart	Restart active capture session		
©	Options	Capture → Optio	Opens "Capture Options" dialog box		
	Open	File → Open	Opens "File open" dialog box to load a capture for viewing		
	Save As	File → Save As	Save current capture file		
X	Close	File → Close	Close current capture file		
3	Reload	File → Reload	Reload current capture file		
9	Find Packet	Edit → Find Packet	Find packet based on different criteria		
	Go back	Go → Go back	Jump back in the packet history		
	Go Forward	Go → Go Forward	Jump forward in the packet history		
	Go to Packet	Go → Go to Packet	Go to specific packet		
	Go to First Packet	Go → Go to First Packe	Jump to first packet of the capture file		
-	Go to Last Packet	Go → Go to Last Packet	Jump to last packet of the capture file		
	Auto Scroll in Live Capture	View→Auto Scrol in Live Capture	Auto scroll packet list during live capture		
	Colorize	View → Colorize	Colorize the packet list (or not)		
\oplus	Zoom In	View → Zoom In	Zoom into the packet data (increase the font size)		
\supseteq	Zoom Out	View → Zoom Out	Zoom out of the packet data (decrease the font size)		
(=)	Normal Size	View → Normal Size	Set zoom level back to 100%		
	Resize Columns	View → Resize Columns	Resize columns, so the content fits the width		

